Jeremy Devin

☎ 513-500-1864 | ✉ jeremydevin3@gmail.com | **in** jeremydevin

Work Experience

Software Engineer - Enterprise Platforms | Capital One
San Francisco, CA
ANGULAR, REACT, TYPESCRIPT, AWS
Aug 2020 - Present

- **Built and maintained Angular components** on capitalone.com, used by 80+ engineers and 200+ content managers
- Piloted, documented, and rolled out an **AI-powered development workflow**, reducing average development time by 70%
- Directed a cross-team project to cover business-critical use cases with **end-to-end tests**, boosting reliability and reducing bugs
- Championed the **onboarding of all 70+ component layouts onto Storybook**, streamlining design, engineering, and review
- Modernized and refactored components to maximize cross-CMS compatibility and reduce developer friction
- Designed and implemented UI for an internal **data lineage application**, enhancing data traceability within the company
- Configured cloud infrastructure and implemented API authentication protocols, ensuring access control and data integrity

Software Engineer Intern - Card Tech | Capital One
Richmond, VA
PYTHON, AUTOMATION ANYWHERE, AWS
May 2019 - Aug 2019

- Built fault-tolerant bots for internal password resets, **eliminating a 20-hour/month manual process**
- Configured PowerShell scripts within AWS CloudFormation templates to automatically configure new Windows virtual machines with the tools needed to run automated processes

Teaching Assistant | Vanderbilt University
Nashville, TN
C++, JAVA
September 2017 - May 2020

- Graded assessments and held weekly office hours for over 150 students per semester
- Trained students in essential competencies like problem-solving, documentation comprehension, and debugging

Skills

Languages: **TypeScript**, **JavaScript**, Java, C++, C#, Python, R, SQL
Certifications: AWS Certified Solutions Architect – Associate (2019 and 2023)

Projects

Inclusion RVA
REACT, JAVASCRIPT, PYTHON

- Worked with Capital One Pro Bono and West Cary Group to conceptualize, design, and develop a full-stack web application for search and discovery of minority-owned small businesses in the Richmond, Virginia area
- Utilized AWS Amplify's authentication tools to create a self-service portal for business owners
- Developed clean and responsive interfaces with Material UI
- Won the Economic Impact Award, given to the Capital One Pro Bono team with the highest-valued economic contribution

Deep Learning for Lung Cancer Detection
PYTORCH, PYTHON, GOOGLE COLAB

- Developed custom CNNs for lung cancer detection, surpassing a published research benchmark with 95.19% accuracy.
- Engineered a minimal CNN, reducing model size to less than 1/30th of the original while still outperforming the benchmark.
- Implemented and trained four distinct CNN architectures in PyTorch to analyze performance vs. efficiency trade-offs.

Education

Georgia Institute of Technology
Atlanta, GA
M.S. IN COMPUTER SCIENCE (IN PROGRESS)
August 2024 - Present

- Specialization in Machine Learning

Vanderbilt University
Nashville, TN
B.S. IN COMPUTER SCIENCE AND MATHEMATICS
Aug 2016 - May 2020

- Minors: Engineering Management, Scientific Computing